

Appl. Ser. No. 09/868,597
Att. Docket No. 10537/105
Reply to Final Office Action of December 30, 2003

Amendments to the CLAIMS:

Without prejudice, this listing of the claims replaces all prior versions and listings of the claims in the present application:

LISTING OF CLAIMS:

1-15. (Canceled).

16. (Previously Presented) A component, comprising:

a wear-resistant layer applied to a surface of the component to be protected, the surface being subjected to at least one of a mechanical load and a fluidic load, the layer including at least one of amorphous metals and amorphous-nanocrystalline metals, the layer including at least one rare earth metal, a transition metal and at least one of a Cu-Al-Ti alloy, a Cu-Al-Ta alloy, a Cu-Al-Zr alloy, and a Pt-Al-Si alloy.

17. (Previously Presented) The component according to claim 16, wherein the transition metal includes one of Cu, Ni and Co.

18. (Previously Presented) The component according to claim 16, wherein the layer is applied to the surface by electrodeposition.

19. (Previously Presented) The component according to claim 16, wherein the layer is applied to the surface from a melt.

20. (Previously Presented) The component according to claim 16, wherein the layer is applied to the surface by a PVD process.

21. (Previously Presented) The component according to claim 16, wherein the layer is applied to the surface by thermal spraying.

Appl. Ser. No. 09/868,597

Att. Docket No. 10537/105

Reply to Final Office Action of December 30, 2003

22. (Previously Presented) The component according to claim 16, wherein the component includes a component of an internal-combustion engine.

23. (Previously Presented) The component according to claim 16, wherein the component includes a component of a gas turbine around which one of a gas and a hot gas flow.

24. (Previously Presented) The component according to claim 16, wherein the component includes a blade of a gas turbine, the surface corresponding to at least a portion of a root of the blade, the layer being configured to protect against fretting.

25. (Previously Presented) The component according to claim 16, wherein the component is formed of a fiber-reinforced plastic.

26. (Previously Presented) The component according to claim 16, wherein the component includes at least one of a fiber-reinforced plastic blade and a support configured as one of a disc and a ring of an integrally bladed fiber-reinforced plastic rotor, the at least one of the blade and the support including the surface, the layer being configured to protect against at least one of erosion and corrosion.

27. (Previously Presented) The component according to claim 16, wherein the layer is metallic.

28. (Previously Presented) The component according to claim 27, wherein the layer further includes one of a Ti alloy, a Ni alloy, a Co alloy and a Fe alloy.

29. (Previously Presented) The component according to claim 16, wherein the component includes a tire of a rail-borne vehicle, the tire including the surface.

Appl. Ser. No. 09/868,597

Att. Docket No. 10537/105

Reply to Final Office Action of December 30, 2003

30. (Previously Presented) The component according to claim 16, wherein the component includes a component of a reciprocating engine, the component of the reciprocating engine including the surface.

31. (Previously Presented) The component according to claim 30, wherein the component of the reciprocating includes one of a valve, a camshaft, a crankshaft, a piston ring and a piston pin.

32. (Canceled).

33. (Canceled).